UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/024,826	12/17/2001	Roger George Kermode	CR1090AC	5448

22917 7590 03/15/2006

MOTOROLA, INC.
1303 EAST ALGONQUIN ROAD
IL01/3RD
SCHAUMBURG, IL 60196

EXAMINER	
PATEL, JAY P	

ART UNIT	PAPER NUMBER
2666	

DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/024,826	KERMODE ET AL.	
	Examiner	Art Unit	
	Jay P. Patel	2666	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on *05 December 2005*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-10 and 12* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-10 and 12* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to the remarks/amendment filed 12/05/2005. This action is made final

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-10 and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Fukuda et al. (US Patent 6930987 B1).

In regards to claim 1, Fukuda anticipates a removable communications unit comprising: a unit communications port that permits secure transfer of information between the removable communications unit and an introduction device when a proximity based communications port of the introduction device is placed in close proximity to the unit communications port. In figure 3 a perspective view of the external structure of communications unit used in the wireless LAN system. Figures 7A, 7B and 16 show the internal structure of the above-mentioned device. In particular, end 60a, connect the device to the host computer anticipates the unit communications port. Further more, the secure transfer of information is anticipated by the mail address of the host computer, the user ID for access point connection and the password for PPP

connection, which are stored in the individual information storage (see column 17, lines 33-46). The individual storage section can also store SIM (subscriber identification module) information, which encrypted inside the radio communications device (see column 17, lines 62-67). Furthermore, the individual storage section is connected to the interface via a communications bus, which connects to the host computer so the exchange of password; user id and mail address can take place.

In further regards to claim 1, Fukuda also anticipates a processor connected to the unit communications port. Figures 7A and 16 also includes a radio communication central processing unit (CPU). The CPU is connected via a communications bus, which is connected to an interface section, which connects to the host computer.

In further regards to claim 1, Fukuda also anticipates a unit connector that allows for complementary releasable engagement of a connector associated with an electronic device, the unit connector being connected to the processor and allows communication between the processor and the electronic device. Figures 7A, 7B and 16 show the internal structure of the above-mentioned device. In particular, end 60b, which can also connect the device to the host computer, anticipates the unit connector.

In further regards to claim 1, Fukuda also anticipates a communications interface connected to the processor for allowing the removable communications unit to communicate with at least one other remote removable communication unit. Figures 7A and 16 also include an RF module/communications control section which anticipates a communications interface, further includes a receiving section, a hopping synthesizer section and transmitting section. The RF module/communications control section is

also connected to an antenna which transmits/receives user data to/from each section in the wireless LAN (see column 15, lines 11- 23 and 24-32).

In further regards to claim 1, Fukuda also anticipates a memory connected to the processor for storing security information, wherein when the introduction device is placed in close proximity to the unit communications port, the processor communicates with the introduction device to transfer the security information between the memory and introduction device via the unit communications port and the proximity base communications port. Figures 7A and 16 also includes an individual storage section for storing individual information provided for each user; the individual storage section anticipates the memory. Furthermore, the introduction device is the host equipment/computer itself because end 60a in figures 7A and 16 allow the radio communications device to be connected to the host equipment (see column 11, lines 21-30). The mail address of the host computer, the user ID for access point connection and the password for PPP connection are stored in the individual information storage (see column 17, lines 33-46). The individual storage section can also store SIM (subscriber identification module) information, which is encrypted inside the radio communications device (see column 17, lines 62-67). Furthermore, the individual storage section is connected to the interface via a communications bus, which connects to the host computer so the exchange of password; user id and mail address can take place. In regards to the removable communications unit becoming a part of a federation of operable communications units the individual information storage section in figures

7A and 16 stores user ID for connection to an access point, which provides access for the host computer to the network (see column 17, lines 40-46).

In regards to claim 2, Fukuda also anticipates the unit communications port allowing the security information to be transferred from the introduction device to memory. Figures 7A and 16 also includes an individual storage section for storing individual information provided for each user. The mail address of the host computer, the user ID for access point connection and the password for PPP connection are stored in the individual information storage (see column 17, lines 33-46). The individual storage section can also store SIM (subscriber identification module) information, which is encrypted inside the radio communications device (see column 17, lines 62-67). The mail address, the user ID, the password and the SIM information anticipates the security information that is to be transferred. Furthermore, the individual storage section is connected to the interface via a communications bus, which connects to the host computer so the exchange of password; user id and mail address can take place.

In regards to claim 3, the disclosure used with regards to claim 2 is also applicable to the claim 3.

In regards to claim 4, Fukuda also anticipates the communications interface is a transmitter, receiver or transceiver. Figures 7A and 16 also include an RF module/communications control section which further includes a receiving section, a hopping synthesizer section and transmitting section (see column 15, lines 11- 23 and 24-32).

In regards to claim 5, Fukuda also anticipates the communications interface communicates with at least one said other remote removable communications unit by radio frequency signals. Figures 7A and 16 also includes an antenna which transmits/receives user data to/from each section in the wireless LAN (see column 15, lines 24-32).

In regards to claim 6, Fukuda also anticipates the removable communications unit being a wireless Local Area Network Card. Since the communications unit disclosed in figures 3, 7A, 7B and 16 operates in a wireless LAN system, Fukuda anticipates the limitation of claim 6. The individual information storage section in figures 7A and 16 can also store SIM (subscriber identification module) information, which encrypted inside the radio communications device (see column 17, lines 62-67 and column 18, lines 1-7). Furthermore, the individual storage section is connected to the interface via a communications bus, which connects to the host computer so the exchange of password; user id and mail address can take place. Furthermore, in order encrypt user specific information, the information must be encoded and decoded to decrypt.

In regards to claims 7 and 8, Fukuda also anticipates having an encoder and decoder coupled to the processor.

In regards to claim 9, Fukuda also anticipates an antenna stub and the unit communications port mounted to the stub. Figures 7A, 7B and 16 include ends 60b and 60a of which end 60b is conned to the antenna. As mentioned above the ends 60b and 60a act as the unit communications port.

In regards to claim 10, Fukuda also anticipates the unit communications port allowing the security information to be transferred only when the proximity based communications port is in direct contact therewith. Figures 7A and 16 also includes an individual storage section for storing individual information provided for each user. The mail address of the host computer, the user ID for access point connection and the password for PPP connection are stored in the individual information storage (see column 17, lines 33-46). Furthermore, the individual storage section is connected to the interface via a communications bus, which connects to the host computer so the exchange of password; user id and mail address can take place. Furthermore, since the end 60a connects the device to a host computer, information pertaining to the host information can take place when the device is directly connected to the host computer.

In regards to claim 12, Fukuda also anticipates the security information being an encryption key that allows the removable communications unit to encode and decode signals and thereby communicate with other operable communications unit that have the same key. The individual information storage section in figures 7A and 16 can also store SIM (subscriber identification module) information, which encrypted inside the radio communications device (see column 17, lines 62-67 and column 18, lines 1-7). Furthermore, the individual storage section is connected to the interface via a communications bus, which connects to the host computer so the exchange of password; user id and mail address can take place.

Response to Arguments

4. Applicant's arguments filed 12/05/2005 have been fully considered but they are not persuasive. Specifically, the applicant argues that there is no unit communications port however, the examiner maintains the position that end 60a in figure 7A, anticipates the unit communications port. The examiner further maintains that the host equipment itself is an introduction device (see the above-mentioned rejection with regards to the last limitation of claim 1 and column 11, lines 21-30). Furthermore, by canceling the claim 11 and adding the limitation of claim 11 to further limit claim 1, the applicant has not presented the claims in condition for allowance.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jay P. Patel whose telephone number is (571) 272-3086. The examiner can normally be reached on M-F 9:00 am - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JPP 3/8/06
Jay P. Patel
Assistant Examiner
Art Unit 2666

HASSAN KIZOU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600